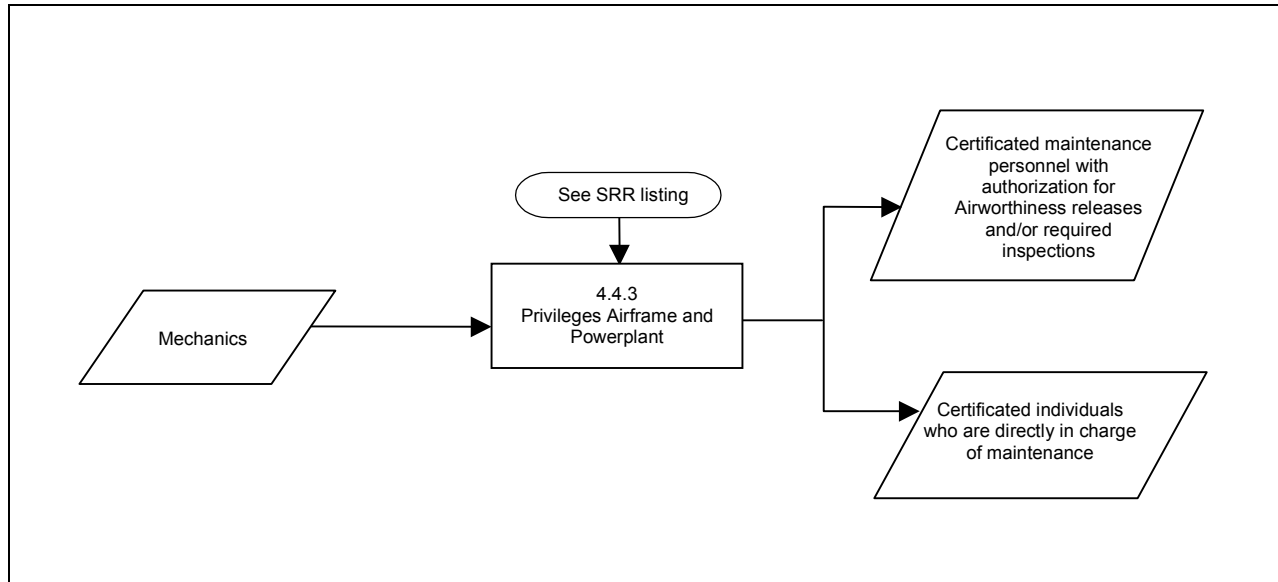


Safety Attribute Inspection (SAI) Job Aid



ELEMENT SUMMARY INFORMATION

Element: 4.4.3 Privileges Airframe and Powerplant

Purpose of this Element (Air Carrier's responsibility): To ensure that certificated maintenance technicians perform within the privileges and limitations of their certificates.

Objective (FAA responsibility): To determine if the air carrier's Privileges Airframe and Powerplant process includes safety attributes.

Inputs:

- Mechanics

Outputs:

- Certificated maintenance personnel with authorization for Airworthiness releases and/or required inspections.
- Certificated individuals who are directly in charge of maintenance.

Performance Measures:

- The Air Carrier only uses certificated maintenance personnel to supervise maintenance, to sign airworthiness releases, and/or to inspect required inspection items.
- The Air Carrier creates and maintains a current list of all maintenance personnel including their privileges and limitations.

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SRR:

- 65.81(a) General privileges and limitations.
- 65.81(b) General privileges and limitations.
- 65.85 Airframe rating; additional privileges
- 65.87 Powerplant rating; additional privileges

Other CFRs and/or FAA Guidance:

- FAA Order 8300.10, Vol.2, Chap.22B– CERTIFICATE AIRFRAME AND/OR POWERPLANT MECHANIC/ADDED RATING
- FAA Order 8300.10, Vol.3 , Chap 17 – Monitor Certificated Airframe and/or Powerplant Mechanic Repairman, Parachute Rigger, and Inspection Authorization Holder

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SRR SPECIFIC INFORMATION

SRR	Intent	Inspectors
65.81(a)	Certificated mechanics may approve aircraft for return to service or supervise maintenance when they have previously performed that maintenance under the supervision of a mechanic who was already qualified under this regulation.	<i>Certification: Airworthiness</i> <i>Surveillance: Airworthiness</i>
65.81(b)	Self Explanatory	<i>Certification: Airworthiness</i> <i>Surveillance: Airworthiness</i>
65.85	Self Explanatory	<i>Certification: Airworthiness</i> <i>Surveillance: Airworthiness</i>
65.87	Self Explanatory	<i>Certification: Airworthiness</i> <i>Surveillance: Airworthiness</i>

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4.4.3 Privileges Airframe and Powerplant

SECTION 1 - RESPONSIBILITY ATTRIBUTE

Objective: To determine if there is a clearly identifiable, qualified, and knowledgeable person who is accountable for the quality of the Privileges Airframe and Powerplant process.

To meet this objective, the inspector will accomplish the following tasks:

1. Identify the person who is responsible for the quality of the Privileges Airframe and Powerplant process.
2. Review the description in the Manual that delineates the duties and responsibilities of the person.
3. Evaluate the person's qualifications and work experience (or resume', if appropriate).
4. Review the appropriate organizational chart.
5. Discuss the Privileges Airframe and Powerplant process with the person.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Is there a clearly identifiable person who is answerable for the quality of the Privileges Airframe and Powerplant process?	YES If yes, provide the name: <input type="checkbox"/> NO If no, explain:
2. Does the person understand the procedures associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
3. Does the person understand the controls associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
4. Does the person understand the interfaces associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
5. Does the person understand the process measurements associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
6. Is the responsibility of this position clearly documented in the air carrier's Manual(s)?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7. Are the qualification standards for this position clearly documented?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7a Are the qualification standards for this position appropriate for the duties that are assigned?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
8. Does the person meet the qualification standards?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
9. Does the person acknowledge that he/she has responsibility for the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
10. Does the person know who has authority to establish and modify the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO

Safety Attribute Inspection (SAI) Job Aid

4.4.3 Privileges Airframe and Powerplant

SECTION 2 – AUTHORITY ATTRIBUTE

Objective: To determine if there is a clearly identifiable, qualified, and knowledgeable person with the authority to establish and modify the Privileges Airframe and Powerplant process.

To meet this objective, the inspector will accomplish the following tasks:

1. Identify the person who has the authority to establish or modify the Privileges Airframe and Powerplant process.
2. Review the description in the Manual that delineates the duties and responsibilities of the person.
3. Evaluate the person's qualifications and work experience (or resume', if appropriate).
4. Review the appropriate organizational chart.
5. Discuss the Privileges Airframe and Powerplant process with the person.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Is there a clearly identifiable person who has authority to establish and modify the air carrier's policies for the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If yes, provide the name: <input type="checkbox"/> NO If no, explain:
2. Does the person understand the procedures associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
3. Does the person understand the controls associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
4. Does the person understand the interfaces associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
5. Does the person understand the process measurements associated with the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
6. Is the authority of this position clearly documented in the air carrier's Manual(s)?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7. Are the qualification standards for this position clearly documented?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7a Are the qualification standards for this position appropriate for the duties that are assigned?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
8. Does the person meet the qualification standards?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
9. Does the person acknowledge that he/she has authority for the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
10. Does the person know who has the responsibility for the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
11. Are the procedures for delegation of authority clearly documented for the Privileges Airframe and Powerplant process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO

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4.4.3 Privileges Airframe and Powerplant

SECTION 3 – PROCEDURES ATTRIBUTE

Objective: To determine if the air carrier has documented procedures for accomplishing the Privileges Airframe and Powerplant process.

To meet this objective, the inspector will accomplish the following tasks:

1. Review the documented instructions and information related to the Privileges Airframe and Powerplant process to ensure that they contain who, what, where, when, and how.
2. Review the FAA Guidance and Specific Regulatory Requirements (SRR) included in the supplemental information section of this SAI.
3. Discuss the Privileges Airframe and Powerplant process with appropriate personnel to gain an understanding of the procedures.
4. Observe the Privileges Airframe and Powerplant process to gain an understanding of the procedures.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Do written procedures exist to achieve the desired result of the Privileges Airframe and Powerplant process:

1.1 Do written procedures require the Air Carrier to use the list of maintenance personnel, including their privileges and limitations?

☐ YES **If no or N/A, explain:**
☐ NO
☐ N/A

2. Do the procedures identify: who, what, where, when and how?

☐ YES **If no, explain:**
☐ NO

3. Are the procedures in compliance with the CFR(s)?

☐ YES **If no, explain:**
☐ NO

4. Do the procedures conform to other written guidance (E.g., Operations Specifications, FAA Orders, Airworthiness Directives, Advisory Circulars, Handbook Bulletins, Directives, and Manufacturer's Recommendations)?

☐ YES **If no, explain:**
☐ NO

5. Does the air carrier have the resources to support the written procedures for the Privileges Airframe and Powerplant process?

☐ YES **If no, explain:**
☐ NO

6. If alternate procedures exist for use during irregular conditions, do they achieve the same desired results as the primary procedures so that an equivalent level of safety is maintained? (E.g., a manual system used as a result of equipment failure.)

☐ YES **If no, explain:**
☐ NO
☐ N/A, No alternate procedures exist for this element

7. Are the procedures published in different manuals relating to the Privileges Airframe and Powerplant process consistent?

☐ YES **If no, explain:**
☐ NO

8. Does the air carrier have a documented method for assessing the impacts of procedural changes to the Privileges Airframe and Powerplant process?

☐ YES **If no, explain:**
☐ NO

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4.4.3 Privileges Airframe and Powerplant

SECTION 4 – CONTROL ATTRIBUTE

Objective: To determine if checks and restraints are designed into the Privileges Airframe and Powerplant process to ensure a desired result is achieved.

To meet this objective, the inspector will accomplish the following tasks:

1. Review the documented instructions and information related to the Privileges Airframe and Powerplant process.
2. Review the FAA Guidance and Specific Regulatory Requirements (SRR) included in the supplemental information section of this SAI.
3. Discuss the Privileges Airframe and Powerplant process with appropriate personnel to gain an understanding of the controls.
4. Observe the Privileges Airframe and Powerplant process to gain an understanding of the controls.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Are the following checks and restraints built into the Privileges Airframe and Powerplant process:

1.1 Does the Air Carrier have and maintain a list of maintenance personnel including their privileges and limitations?

☐ YES **If no or N/A, explain:**
☐ NO
☐ N/A

2. Do the checks and restraints ensure the desired result is achieved for the Privileges Airframe and Powerplant process?

☐ YES **If no, explain:**
☐ NO

3. Does the air carrier have a documented method for assessing the impacts of any changes made to checks and restraints in the Privileges Airframe and Powerplant process?

☐ YES **If no, explain:**
☐ NO

4. Does the air carrier have the resources to support the checks and restraints for the Privileges Airframe and Powerplant process?

☐ YES **If no, explain:**
☐ NO

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4.4.3 Privileges Airframe and Powerplant

SECTION 5 - PROCESS MEASUREMENT ATTRIBUTE

Objective: To determine if the air carrier measures and assesses the Privileges Airframe and Powerplant process, to identify and correct problems or potential problems.

To meet this objective, the inspector will accomplish the following tasks:

1. Review the documented instructions and information related to the Privileges Airframe and Powerplant process.
2. Discuss the Privileges Airframe and Powerplant process with appropriate personnel to gain an understanding of the process measures.
3. Observe the Privileges Airframe and Powerplant process to gain an understanding of the process measures.

To meet this objective, the inspector will determine and record answers to the following questions:

1. <Deleted>

2. Does the air carrier's Privileges Airframe and Powerplant process include the following process measurements?

2.1 The Air Carrier audits the list of personnel to ensure its accuracy.

☐ YES If no or N/A, explain:
☐ NO
☐ N/A

2.2 The Air Carrier audits maintenance to ensure that certificated maintenance personnel are performing maintenance within the privileges of their certificates.

☐ YES If no or N/A, explain:
☐ NO
☐ N/A

3. Does the air carrier document their process measurement methods and results?

☐ YES If no, explain:
☐ NO

4. Are the air carrier's process measurement methods effective?

☐ YES If no, explain:
☐ NO

5. Does the air carrier use their process measurement results to improve their programs?

☐ YES If no, explain:
☐ NO

6. Are the process measurement results accessible to the FAA?

☐ YES If no, explain:
☐ NO

7. Does the organization that conducts the process measurement have direct access to the person with responsibility for the Privileges Airframe and Powerplant process?

☐ YES If no, explain:
☐ NO

8. Does the air carrier have the resources to support the process measurement for the Privileges Airframe and Powerplant process?

☐ YES If no, explain:
☐ NO

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4.4.3 Privileges Airframe and Powerplant

SECTION 6 – INTERFACES ATTRIBUTE

Objective: To determine if the Air Carrier identifies and manages the interactions between the Privileges Airframe and Powerplant process and the other element processes within the Air Carrier organization.

To meet this objective, the inspector will accomplish the following tasks:

1. Review the documented instructions and information related to the Privileges Airframe and Powerplant process.
2. Discuss the Privileges Airframe and Powerplant process with appropriate personnel to gain an understanding of the interfaces.
3. Observe the Privileges Airframe and Powerplant process to gain an understanding of the interfaces.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Are the following interfaces identified for the Privileges Airframe and Powerplant process:

<i>1.1 Airworthiness Release or Log Book Entry (Element 1.2.1)</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>1.2 Maintenance Log/Recording Requirements (Element 1.2.3)</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>1.3 Maintenance Program (Element 1.3.1)</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>1.4 Inspection Program (Element 1.3.2)</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>1.5 RII (Element 1.3.4)</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>1.6 Outsource Organization (Element 1.3.7)</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>1.7 CAS (Element 1.3.11)</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
<i>1.8 Other Programs Approved by Operations Specifications</i>	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A

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4.4.3 Privileges Airframe and Powerplant

SECTION 6 – INTERFACES ATTRIBUTE

1.9 RII Personnel (Element 4.1.1)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.10 Maintenance Certificate Requirements (Element 4.1.2)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.11 Recency of Experience (Element 4.4.1)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.12 Display of Certificate (Element 4.4.2)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.13 Manual Currency (Element 2.1.1)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.14 Content Consistency Across Manuals (Element 2.1.2)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.15 (Manual) Distribution (Element 2.1.3)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.16 (Manual) Availability (Element 2.1.4)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.17 Supplemental Ops Manual Requirements (Element 2.1.5)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
2. List any additional interfaces identified:	
3. Are there written procedures for the use of air carrier personnel in the application of these interfaces?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
4. Are there controls to ensure that interfaces occur?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
5. Are the interfaces between the Privileges Airframe and Powerplant process and other processes treated consistently in the Manual(s)?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO